

	V ork	Permit	#	S52003-02
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	. ATORY		vvork Order # _		
			Job #	Activity	#
ct pe	out this section.		☐ Standi	ing Work Permit	
~ ~	SHEA Date: 4	/19603 Ext. 34	Dont/Div/	Pole	A
ct pe	(if different from request	ter): Start Date	Ext	лоир	
	nator THOMAS SH	Start Date	3 /16/03 Est. End Da	te #/27/03	
	ork: 10 3741	1 CHELFILLO	C 5 4 2 7 2 IN	Duf 1	2
· —	SEE AFREW,7	FUT. REA	IVE AFTER US	È.	
-					
18	Room	Equipment	スプローン Cdコービ Service Pr	ovider	
		rovider, and ES&H (a			
ALYSIS					The state of the s
ı Concerns	X None ☐ Acti	vation Airborne	☐ Contamination	Radiation O	ther
, nuclear materia	als involved, notify Isotope Sp	pecial Materials Group	Fissionable materials i		
Concerns	□ None	☐ Ergonomics			ry Criticality Officer
ding/Removing	☐ Confined Space*	☐ Explosives	☐ Transport of Haz		
alls or Roofs	☐ Corrosive	✓ Flammable	☐ Magnetic Field*	☐ Penet	rating Fire Walls
Asbestos*	☐ Cryogenic	☐ Fumes/Mist/Dust*	☐ Material Handling		urized Systems
Beryllium*	☐ Electrical	☐ Heat/Cold Stress	☐ Noise*		ng/Critical Lift Materials*
∃ Biohazard*		☐ Hydraulic	☐ Non-ionizing Rad	iation*	
☐ Chemicals*	☐ Excavation	☐ Lasers*	Overen Deficience	*	r
*Does this work require	e medical clearance or su	rveillance from the Occup	ational Medicine Clinic?	Yes K No	
Environmental Conce	erns	X None			
☐ Atmospheric Dischar	ges (rad/non-rad)	☐ Land Use	Soil activation/con	vironmental Permit No tamination Waste	O
Chemical or Rad Mat	terial Storage or Use	☐ Liquid Discharges	☐ Waste-Clean		e-Mixed e-Radioactive
Cesspools (UIC)	/	Oil/PCB Management	☐ Waste-Hazardous		
☐ High water/power co	onsumption \ / /	Spill potential	☐ Waste-Industrial		-Regulated Medical ground Duct/Piping
Waste disposition by:	- (N	1,		☐ Other	
Pollution Prevention	(P2) / Waste Minimiza	tion Opportunity:	None Tyes		
FACILITY CONCERN	NS None				
☐ Access/Egress	Electrical Noise	. [Potential to Cause a	False Alarm Vihme	12000 12000
Limitations	☐ Impacts Facility Use	e Agreement	Temperature Change		·
☐ Configuration Contro	ol 🗆 Maintenance Work		Utility Interruptions	_ Oulei	
WORK CONTROLS					
Work Practices					
None	Exhaust Ventilation	on 🗆 Lockout/Tagout	:	Spill Containment	□ O+L
☐ Back-up Person/Watc	th 🗌 HP Coverage	☐ Posting/Warnin	C:	Fime Limitation	Other
☐ Barricades	☐ IH Survey	☐ Scaffolding-requence		Warning Alarm (i.e."hi	ish level")
Protective Equipmen	t	C. C	discontraction • Proposition of the State o	8, (111	Sirierer)
☑ None	☐ Ear Plugs	☐ Gloves	☐ Lab Coat	☐ Safety Glasses	
☐ Coveralls	☐ Ear Muffs	□ Goggles	Respirator	☐ Safety Harness	
☐ Disposable Clothing	☐ Face Shield	☐ Hard Hat	☐ Shoe Covers	☐ Safety Shoes	Other
Permits Required Perm	nits must be valid when job is sch	neduled.			- Oulci
M None	☐ Cuttir	ng/Welding	☐ Impair Fire Pro	rection Systems	
☐ Concrete/Masonry Pe		g/Core Drilling	Rad Work Perm	nit-RWP No	
☐ Confined Space Entry		ical Working Hot	Other		
Dosimetry/Monitoring	g				
	☐ Heat Stress Monitor	☐ Real Time Moni	tor	☐ TLD	
☐ Air Effluent	☐ Noise Survey/Dosimet			☐ Waste Characte	orization
	O ₂ /Combustible Gas	☐ Self-reading Dig	ital Dosimeter	Other	
☐ Liquid Effluent	Passive Vapor Monitor	Combona Taba / C:			
Training Requirement	ts (List below specific tra	ining requirements)	at oppeas	TON	
Based on analysis above, the Walkdow ES&H Risk Level:	n Team determines the risk, complexing Low Moderate	ity, and coordination ratings below.	If using the permit when all ha		e following need to sign:
Complexity Level:	Low S. Moderate	☐ High	WCC		
Work Coordination:		□ High			DATE
BNL F 3093B - rev. 9/02		5000000 9 550	Service Prov	ider	DATE
101.0/02			Authorization to start	nental Sun/WCC/Designed	DATE

No need to use the back side of form.

		el availability need to be address		
	- SEE ATAC	HMENT-		
- BOO	eribes to	be guen .	J. Scott	
- ALL Y	STANGET TO	THE GIVEN	J. Jessel	
7(3) 6/1	3/2/201			
Special Working Conditions	Required:			
*				
Operational Limits Imposed:		·		
Post Work Testing Required:		30.00	/	
Job Safety Analysis Required:	: □ Yes 风No	Walkdown Required: Te	es ZNo	
		of the review team and the oth		
		zards and risks that could impa	ct ES&H have been ident	ified and will be
controlled according to BNL				
Title	Name (print)	Signature	Life #	/Date
Primary Reviewer	Arthur Jilya	- frif	18661	4716/0
ES&H Professional	P. Ciracolica	o fortune	2868	4/16
Other	CAPENISA U	(Jain	15245	4/16/211
Other		- 12		- 1
Work Control Coordinator	Thomas. SHEA	Who K. She	20208	4/16/13
Service Provider				
	Review done: 🗹 in series 🛚	□ team		
	performing work have read and unders	stand the hazards and permit requireme		
Note: Signature indicates personnel Job Supervisor Workers John Rods		Contractor Supervisor		Life #
Note: Signature indicates personnel Job Supervisor Vorkers	performing work have read and unders	Contractor Supervisor		
Note: Signature indicates personnel Job Supervisor Workers Vend Paint Livitation	performing work have read and unders Warra 15767 St. Life # 1516 OC > P62 Warra 15767	Contractor Supervisor Workers 7	in LassonTy	
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Attachment to Work Permit No. SS2003-027 Dated 4/16/03

Description of work.

This plan describes limitations on the use of the 12 ton building crane in the IR to install and remove a Cherenkov counter in the PHENIX IR in building 1008.

Work Plan

- LOTO the South Muon Magnet at he feed to the power supply.
- Use the 12 ton crane to hoist a 300 pound Cherenkov counter into position on top of the steel collar on the rear face of the South Muon Magnet. Because of the existence of flammable gas in several detectors on the East and West carriages, hook travel is restricted to the clear floor area East and South of the East carriage and South of the South Muon magnet for this operation.
- Access to bolt the counter in place and run cables is from the existing platform under the collar.